

NETZSCH

Proven Excellence.



OEM Business Partners

NETZSCH Team, Support and Standards

Pumps & Systems

Understanding your business

We are an OEM business, too

As an OEM business ourselves, NETZSCH understands the challenges in conceiving, designing, sourcing and fabricating machines and systems to meet the needs of multiple markets and complex customers. Whether you are a company that manufactures systems designed around standard equipment, repeating your purchases to meet demand or a business whose systems are engineered each and every time, we have solutions and programs to assist you.

We know full well the importance of having a high quality and respected brand. Incorporating

NETZSCH equipment into your equipment and systems will give you confidence that there is no compromise in the quality and performance of your products.

Direct Relationship

Our OEM customers work directly with NETZSCH and do not work through a distributor or representative. This provides superior responsiveness, price efficiency and focused attention to your business needs. Our large inventory in Exton, PA provides the pump and spare parts availability your business demands.

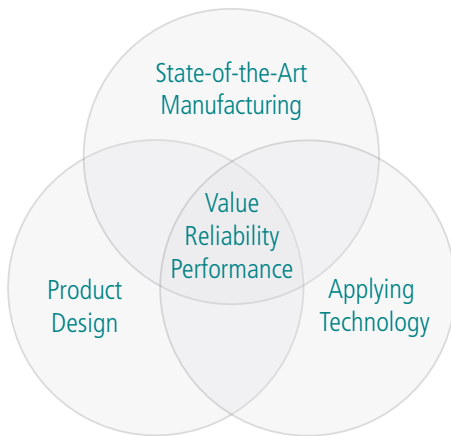
Global Partner

With manufacturing facilities in five continents and technical sales personnel in most countries, NETZSCH offers unparalleled global support for all of our products. Rest assured our global OEM team will be there — when and where you need us.

Technology Application Superior Product Design

NETZSCH has pioneered the development of positive displacement pumps dating back to the 1950's. You have to begin with





a quality design and materials in order to produce a worry-free system and installation. NETZSCH designs its pumps to tight tolerances allowing for reliable and repeatable performance for every pump we produce.

Leading Edge Production

You can have a great design but if you cannot produce it to accountable and measurable quality standards, then a good design is compromised. A tour of any of the global NETZSCH manufacturing facilities will demonstrate commitment to leading technology, investment in machinery and quality programs that insure the superior equipment designs are produced to maximize customer value and performance. NETZSCH even formulates and produces its own elastomeric formulations which assures the longest stator life available in the industry.

Applying Technology

You can possess a great design and produce it to stringent tolerances. But if you do not know how to properly apply the technology for each application, you still risk a poor installation with less than desired results. Having the technical expertise of applying the

technology correctly guarantees that your products and systems work as expected the first time, every time.

This expertise is paramount to great pump performance and long equipment life. NETZSCH has almost 150 years of experience in designing and applying pump technologies to applications ranging from simple to extremely difficult. Our customers rely heavily on our expertise to insure expected performance and system recommendations to insure a first rate installation.

As the largest global producer of Progressing Cavity pumps and a major producer of rotary lobe and multiple screw technologies, NETZSCH

has experience and knowledge of many, many markets and applications to insure an installation in which you will have great confidence.

White & Private Label Pumps available

We are offering White Label Pumps and for higher quantities we are able to offer you private labeled pumps for use on your equipment / systems. This will further accentuate your brand while utilizing world premium NETZSCH products and still being able to afford NETZSCH's expert support for YOUR pumps along with our application know-how.



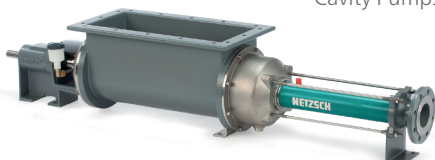
NETZSCH Products

Various Technologies to meet your needs

NEMO® Progressing Cavity Pumps

NEMO® Progressing Cavity Pumps convey media in a low pulsating, continuous manner and maintain an accurate flow even with high solids, high to low viscosities, abrasive, thixotropic and dilatant, aggressive and other media types.

NEMO® BF Progressing Cavity Pumps



Flow Rates: 0.5 GPD to 2,200 gpm / 1.9 l/d to 1,000 m³/h
Pressure: up to 680 psi / up to 48 bar (standard)
up to 4,350 psi / 300 bar (high pressure)

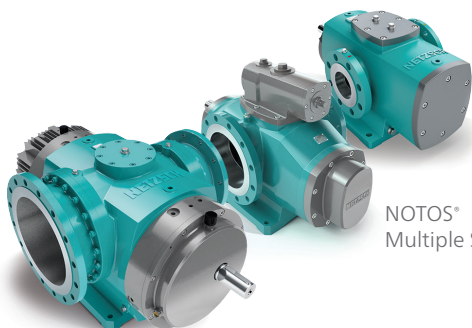
NEMO® FSIP® (Full Service-in-Place) Progressing Cavity Pumps



The Full Service-in-Place (FSIP®) NEMO® Progressing Cavity Pump offers pump servicing without removing the pump from the system.

Flow Rates: from 8 to 880 gpm / 2 to 200 m³/h
Pressure: up to 90 psi / 6 bar (1 stage) up to
180 psi / 12 bar (2 stages)

NOTOS® Multiple Screw Pumps



NOTOS® Multiple Screw Pumps

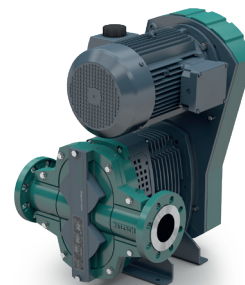
TORNADO® Rotary Lobe Pumps

TORNADO® Rotary Lobe Pumps are self priming and valveless to provide high performance. They are available in two versions: the classic T1 and the technologically advanced T2, Full Service-in-Place (FSIP®) design.

They are designed for intermittent or continuous operation and provide gentle conveyance of the pumped substance. They are ideally suited for transfer, process and metering applications.

TORNADO® T2 Rotary Lobe Pump

Flow Rates:
6 gpm to 1,000 gpm /
1 m³/h to 225 m³/h
Pressure:
up to 145 psi / 10 bar



TORNADO® T1 Classic Rotary Lobe Pumps

Flow Rates:
4,400 gpm /
1,000 m³/h
Pressure:
up to 90 psi / 6 bar



NOTOS® Multiple Screw Pumps are a series of three pumps in multiple arrangements which serve a wide range of industries and applications. They can convey low to very lubricating fluids, low to high viscosity, chemically aggressive or shear sensitive media and can handle low to high pressure ranges with very low noise.

NOTOS® Multiple Screw Pumps

Flow Rates: 1 gpm to 11,000 gpm / 0.3 m³/h to 2,500 m³/h
Pressure: up to 1,450 psi / up to 100 bar

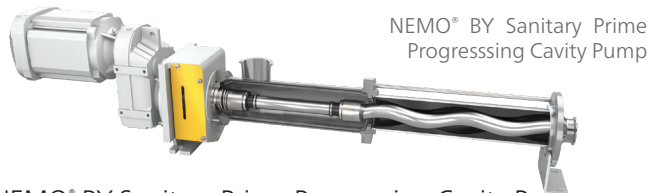
Providing solutions

Sanitary line of Pump Products

We not only have heavy duty, industrial grade pumps but also manufacture a sanitary line of NEMO® Progressing Cavity Pumps and TORNADO® Rotary Lobe Pumps for food and beverage applications that require pumps with approved FDA materials, and/or certification by 3A and EHEDG.



NEMO® Progressing Cavity Pumps



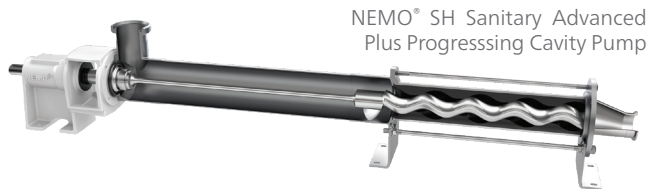
NEMO® BY Sanitary Prime Progressing Cavity Pump

NEMO® BY Sanitary Prime Progressing Cavity Pump

Flow Rates: up to 880 gpm / 200 m³/h

Pressure: up to 360 psi / 24 bar

Particle Size: 3" / 76 mm



NEMO® SH Sanitary Advanced Plus Progressing Cavity Pump

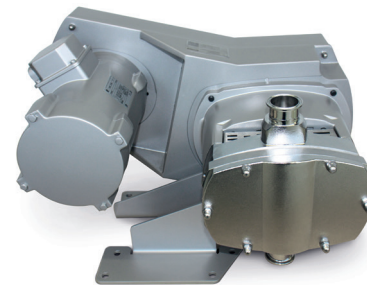
NEMO® SH Sanitary Advanced Plus Progressing Cavity Pump

Flow Rates: up to 620 gpm / 140 m³/h

Pressure: up to 360 psi / 24 bar

Particle Size: 3" / 76 mm

TORNADO® T. Sano® Rotary Lobe Pumps



Flow Rates: 6 gpm to 625 gpm / 1 m³/h to 140 m³/h

Pressure: up to 145 psi / 10 bar

M-Ovas® Macerators and N.Mac® Twin Shaft Grinders

M-Ovas® Macerators are ideal for small to medium size objects or long fibrous materials. The shape of the housing directs solid particles toward the cutting plate, where they are held and chopped by the rotating blades.

N.Mac® Twin Shaft Grinder was designed for applications where the medium contains small to large solid objects. There is a choice of different cartridge cutting combinations.

M-Ovas®
Macerators



Throughput rate:
1,320 gpm / 300 m³/h

N.Mac®
Twin Shaft
Grinders



Throughput rate:
up to 1,761 gpm / 400 m³/h

Sample Markets and Applications List

NETZSCH can be counted on in a wide range of markets like:

- Oil and Gas
- Water and Wastewater
- Chemical and Petro Chemical
- Food and Beverage
- Mining
- Pulp and Paper
- Construction
- Refining
- Biomass
- Biofuels

For applications with:

- High solids
- Abrasives
- High Viscosity
- Shear sensitive materials
- Metering
- Suction lift needs
- High temperature
- Acidic and Alkaline

Such as:

- Polymer Systems (both neat and dilute)
- Dewatering device feed
- Dewatered cake disposal
- Drilling muds
- Drill cuttings
- Oil and water separation
- Lube oil Consoles
- Decanter feed
- Slurry Transfer
- Metering Skids
- Viscous Fluids
- Explosives
- Barrel/Tote unloading
- Multiphase systems
- MBR
- and many more

OEM Service and Support

NETZSCH Direct

The OEM team has employed a web portal specifically for OEM clients and direct customers. This portal provides access to important commercial and technical information at your fingertips to save you precious time. The portal also provides you access to your individualized company information such as order status, quotations, drawings and invoices. There is no need to contact NETZSCH—you can do it through DIRECT.

The screenshot displays the NETZSCH Direct web portal. At the top, the logo 'NETZSCHdirect' is shown with 'Secure Zone' underneath. A welcome message 'Welcome, Charles Brown' is visible. The URL 'www.pumps.netzsch.com/us/' and social media icons for Facebook, Twitter, and LinkedIn are in the top right. A search bar is located below the welcome message. A navigation menu includes links for 'NETZSCH Direct Home', 'Technical Documents', 'Marketing', 'Spare Parts/BOM Lookup', 'Quickship/Pump Stock', 'Request for Quote', 'News', and 'Contacts'. The main content area is divided into several sections: 'Welcome to NETZSCH Direct' with a '50th Anniversary 1969-2019' banner and a 'Logout' button; 'Resources (more)' with a table of quotes and price lists; 'Open Orders - by Customer # (more)' with a table of open orders; 'Closed Orders (more)' with a table of closed orders; and 'Open Invoices (more)' with a table of open invoices. On the right side, there is an 'Account Status' section showing 'Active' status and a 'Manage Profile' section with links for 'Change your password' and 'Request to add or remove an associate access'.

Quote #	Price List	NETZSCH Contacts
quote3	price list3	netz contacts3
quote2	price list2	netz contacts2
quote1	price list1	netz contacts1

PO#	PO Date	Sold to name	Ship to name	Planned Ship Date	Amount
PO99440	02-14-2019	TRISCENT CORPORATION	TRISCENT CORPORATION	02-18-2019	\$22,557.23
PO99273	02-05-2019	TRISCENT CORPORATION	TRISCENT CORPORATION	03-04-2019	\$3,930.04
PO88938	01-22-2019	TRISCENT CORPORATION	TRISCENT CORPORATION	03-08-2019	\$9,518.51

Actual Ship Date	PO#	PO Date	Sold to name	Ship to name	Tracking #
02-08-2019	PO99273	02-05-2019	TRISCENT CORPORATION	TRISCENT CORPORATION	TR#== 962200190000023092260045860922
01-28-2019	PO99105	01-24-2019	TRISCENT CORPORATION	TRISCENT CORPORATION	TR#== 962200190000023094586845868262
01-15-2019	PO88903	01-14-2019	TRISCENT CORPORATION	TRISCENT CORPORATION	TR#== 962200190000023092260309268262

PO#	Sales Order #	Ship to name	Invoice #	Invoice Date	Amount
PO88053	4110044844	TRISCENT CORPORATION	1411044589	02-13-2019	\$35,535.00
PO99273	4100042929	TRISCENT CORPORATION	1411044543	02-11-2019	\$941.29

Account Status	Active
Account Owed Total (balance)	\$30,389.50
Late Amounts	\$0.00
Last Payment: date, amount	01-29-2019, \$16,362.03
Available Credit	\$86,619.50
Credit Amount	\$140,000.00

Change your password
Request to add or remove an associate access

Quality Standards

DIN ISO 9001 certification for all manufacturing sites

Local certificates such as KTA, CCC, CCS, GOST, FDA, 3A and others



After Sale Service

After Sale Service – NETZSCH has an aftermarket support team ready to help with all of your individual needs. By providing your machine number, our staff can quickly identify your equipment and any parts required to get the pump back in service fast. Our large inventory of pumps and parts insures that the transaction will be quick and you will be running again in short order.

Spare Parts and Service

Call our Customer Service team at:
1-610 363-8010 United States
1-705 797-8426 Canada

24 / 7 EMERGENCY HOTLINE:
For urgent spare parts needs or
service issues, please call us at
1-484-986-8480





The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 4,000 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence - exceptional performance in everything we do, proven time and again since 1873.

The NETZSCH Business Unit Pumps & Systems offers NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® screw pumps, PERIPRO™ peristaltic pumps, macerators/grinders, metering technology and equipment custom built for challenging solutions for different applications globally.

Proven Excellence.

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